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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE
Sanibel, Florida

January 5, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly Progress Report December 30-January
5, 1951.

Egg masses collected during the week are as follows:

Date	12/29	30	31	1/1	2	3	4	
Knip Pen	S R F R S R	F R F R F R SNR	F R S R S R		FNR FNR S R F R		S R FNR	NR R R R NR
Bush Pen	S R S R FNR	S R S R S R				S R		
Eddy Pen	FNR FNR SNR SNR FNR	S R FNR S R F R	S R S R S R F R	SNR SNR F R F ? F R	FNR FNR FNR	S R S R	R	
Daily								
Total S R	4	5	5	0	1	4	*	
Total SNR	2	1	0	2	0	0		
Total F R	1	4	2	2	1	0		
Total FNR	4	1	0	0	5	1		

* Fertility check to be completed.

The owner of the hogs on Buck Key, approximately $\frac{1}{2}$ mile north of Eddy Pen, indicated that as far as he knows he has not had a screw worm case since the month of September, 1951. His period of greatest infestation usually occurs from June to September when the mosquitos are particularly troublesome and the hogs rub raw areas on their bodies. We have seen from 1 to 4 coons at various times during the past several weeks. However, we have not observed any suffering from a screw worm infestation.

Moving to Woodring Point during the week required several days time and we are still much behind on the fly trap counts. (Incidentally, we have 2 double beds and a single as well as various cots available.) Fly counts not previously included are listed below: (Percentage based on 100 cc.)

Date	12/19	12/31	12/31	12/20	12/27
Trap	School	School	Junction	Captiva	Punta Rassa
Amt. in cc.	860	290	1340	540	1320
Radioactive					
C. americana	0	2	2	0	0
Non-radioactive					
C. americana	2	-1	-1	1	-1
C. macellaria	80	77	93	92	82
Lucilia sp.	-1	0	-1	0	2
Sarcophagid sp.	6	7	2	6	11
Synthesiomyia sp.	5	7	2	1	0
Otitidae sp.	12	6	0	0	0
Apis mellifera	0	-1	-1	0	0
Miscellaneous	4	-1	0	0	5

All of the radioactive C. americana were females. Radioactivity ranged from 220 to 800 cpm at time of count, 1/3/52. The pupae shipped December 31, 1951, arrived at 9:45 a.m. January 2, 1952. Approximately 100 flies had already emerged from each carton of 1300 when they were released several hours later.

cc: E.F. Knipling
G.W. Eddy

Alfred H. Baumhover

UNITED STATES DEPARTMENT OF AGRICULTURE
 AGRICULTURAL RESEARCH ADMINISTRATION
 BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Sanibel, Florida

January 12, 1952

To: R.C. Bushland, Entomologist in Charge

From: A.H. Baumhover

Subject: Weekly Progress Report, 1/6-12/52.

Egg masses collected during the week have been classified as follows:

Date	1/4	5	6	7	8	9	10	11	12
Temp. range	78 64	77 68	72 56	70 46	69 50	72 50	73 63	66 50	70 58
Knip Pen	S R S R F R F R SNR FNR	S R SNR	FNR FNR	S R SNR		FNR FNR	FNR F R S R S R S R	F R F R S R	FNR F R S R
Bush Pen						FNR	F R F R	F R F R	S R S R S R
Eddy Pen	S R	F R FNR			FNR	SNR		F R S R	S R S R S R F R

Emergence from the sterile pupae was 22%, from the normal pupae, 23%.

Three tree toads were observed near one emergence site after emergence was almost complete. The one animal captured registered 3,600 cpm on the Geiger Counter.

Approximately 25 Ixodes ricinus scapularis Say were observed about the mouth of an itinerant goat. Several sores ranged in diameter to 1 cm. but no egg masses were observed.

Weekly progress report, Baumhover, 1/6-12/52, p.2.

At the suggestion of Mr. Eddy 2 goats were placed on Pine Island, 1/9/52. However, the infested goats did receive screw worm egg masses.

Attempts to trap coons for evaluation as possible sources of "wild" screw worm flies have not been successful to date.

Mr. Bushland's memorandum to Mr. Eddy, 1/8/52 has been noted. All of the fly collections reported have been checked in their entirety for radioactive screw worms. However, in a compromise between quality and accomplishment the larger catches were not checked in their entirety, visually, for non-radioactive screw worms. Nevertheless, this will be completed before your arrival, and the counts will be listed with the actual releases of radioactive screw worms and the total volume of all flies caught.

April H Baumhover

cc: E.F. Knipling
G.W. Eddy

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UNITED STATES DEPARTMENT OF AGRICULTURE
 AGRICULTURAL RESEARCH ADMINISTRATION
 BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE
 Sanibel, Florida

January 15, 1952

To: R.C. Bushland, Entomologist in Charge
 Box 232, Kerrville, Texas

From: A.H. Baumhover

Subject: Revision of Fly Catch Tabulations, Liver-Baited
 Traps, 11/29/51 to 1/14/52.

The following tabulation of fly catches in liver-baited traps from 11/29/51 to 1/14/52 on Sanibel Island and vicinity supersedes previous reporting on the flies collected. Each collection was monitored in its entirety for radioactive Callitroga americana and checked visually for non-radioactive specimens of the same species.

Numbers of Radioactive and Non-radioactive Callitroga americana and Total Catches in CC. from Liver-baited Traps.

Trap and date set	School 11/29/51	Junction 11/30/51	Captiva 12/4/51	St. James 11/29/51	Pt. Rassa 11/29/51	Estero 11/30/51	Flies released
Date serviced	12/9/51	12/9/51	12/12/51	12/7/51	12/5/51	12/5/51	12/5
Total catch in cc.	175	4	350	26	60	14	N* 975
R-C. americana	0	0	0	0	0	0	S 3975
NR-C. americana	0	0	2	0	0	0	
Date serviced	12/12/51	12/12/51			12/13/51	12/13/51	
Total catch in cc.	350	13			520	840	
R-C. americana	0	0			0	0	
NR-C. americana	1	0			0	1	
Date serviced	12/19/51	12/19/51	12/20/51		12/20/51	12/19/51	12/19
Total catch in cc.	360	8	540			230	N 726
R-C. americana	0	0	0		(Trap burned)	0	S 3654
NR-C. americana	13	0	6			0	
Date serviced	12/31/51	12/31/51	1/3/52	12/28/51	12/27/51	12/28/51	
Total catch in cc.	290	1340	1570	505	1320	2020	
R-C. americana	11	10	8	0	0	0	
NR-C. americana	1	5	9	0	3	1	
Date serviced	1/14/52	1/14/52	1/14/52	1/9/52	1/5/52	1/5/52	1/2
Total catch in cc.	812	638	2060	destroyed	450	1180	N 897
R-C. americana	1	2	1	by ants	0	0	S 4290
NR-C. americana	0	1	12	etc	0	0	

*R--radioactive; NR--non-radioactive; N--normal; S--sterile.

cc: E.F. Knipping
 G.W. Eddy

Alfred H. Baumhover

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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE
Sanibel, Florida

January 26, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly progress report, 1/20-26/52

Following is the daily egg mass record 1/14-25/52:

Date	1/14	15	16	17	18	19	20	21	22
Temp. range	74	75	72	77	75	77	75	77	75
F. degrees	60	60	60	62	63	63	63	64	64
Egg masses--									
Knip pen	9 S R 4 F R 1 SNR	5 S R 5 F R	1 S R 1 F R	2 S R 2 F R	2 F R 1 FNR		2 S R 1 SNR		1 S R 1 F R
Bush pen	2 S R 2 F R	1 S R 1 F R	4 F R	2 S R	2 F R 1 FNR	2 FNR	1 FNR	1 F R	1 S R 2 FNR
Eddy pen	1 F R	1 S R		1 S R 2 F R				2 F R	
					2 FNR	2 FNR	1 FNR		1 FNR

Weekly progress report, 1/20-26/52, cont. AHBaumhover, p.2.

Date	1/23	24	25
Temp. range	88	74	80
F. degrees	68	60	65

Egg masses---

Pen	1/23	24	25
Knip pen			18 S R
		3 F R	3 F R
	1 SNR		1 SNR

Pen	1/23	24	25
Bush pen		4 F R	10 S R 5 F R
		4 FNR	

Pen	1/23	24	25
Eddy pen			18 S R
		2 F R	9 F R
	1 SNR		2 SNR
	3 FNR	2 FNR	5 FNR

In addition to the avalanche of 71 egg masses listed for 1/25, 2 radioactive and 2 non-radioactive egg masses exhibited the characteristics of masses laid by partially sterile females, and are not listed. In view of the low radioactivity of egg masses collected late in the egg-laying period of the release of 1/2, it seems possible that the above mentioned 2 non-radioactive egg masses may have been laid by released flies. Four additional egg masses, radioactive and exhibiting the characteristics of partially sterile females, were collected 1/15-21.

Goat pens have been established at Punta Rassa and near trap No. 3.

Fly catches following the listing in the memorandum 1/15/52 and to date are as follows:

Trap	School	Junction	Captive	St.James	Pt.Rassa	Esterò	Release
Date	1/19	1/21	1/19		1/24	1/16	1/16
Catch(qts.)	1.1	0.2	0.7		0.1	0.4	Sterile-
R-C.am.	2	1	0		0	0	6000
NR-C.am.	4	2	6		0	0	Fertile-
							940
					1/16	1/24	
					0.4	1.5	
					0	0	
					0	0	

cc: E.F. Knipling
G.W. Eddy

Alfred H Baumhover



